

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P274901

Luminaire Tested: **J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (5700K)**

Issue Date: 10/15/2018

Test Information

Test Method: LM-79-08
Report Number: P274901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1707-177-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/15/2018
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: J2-WL-30L92765-1D-UNV-W2A-DLED-W-4 (5700K)
Description: JAYLUM J2 SUSPENDED LED LUMINAIRE, FROSTED LENS WITH DOWNLIGHT KIT.
2700K-6500K CCT VividTune LIGHT ENGINE.
Light Source: (168) 2700K-6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2582.4 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.17 / 1.3
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: Semi-Direct

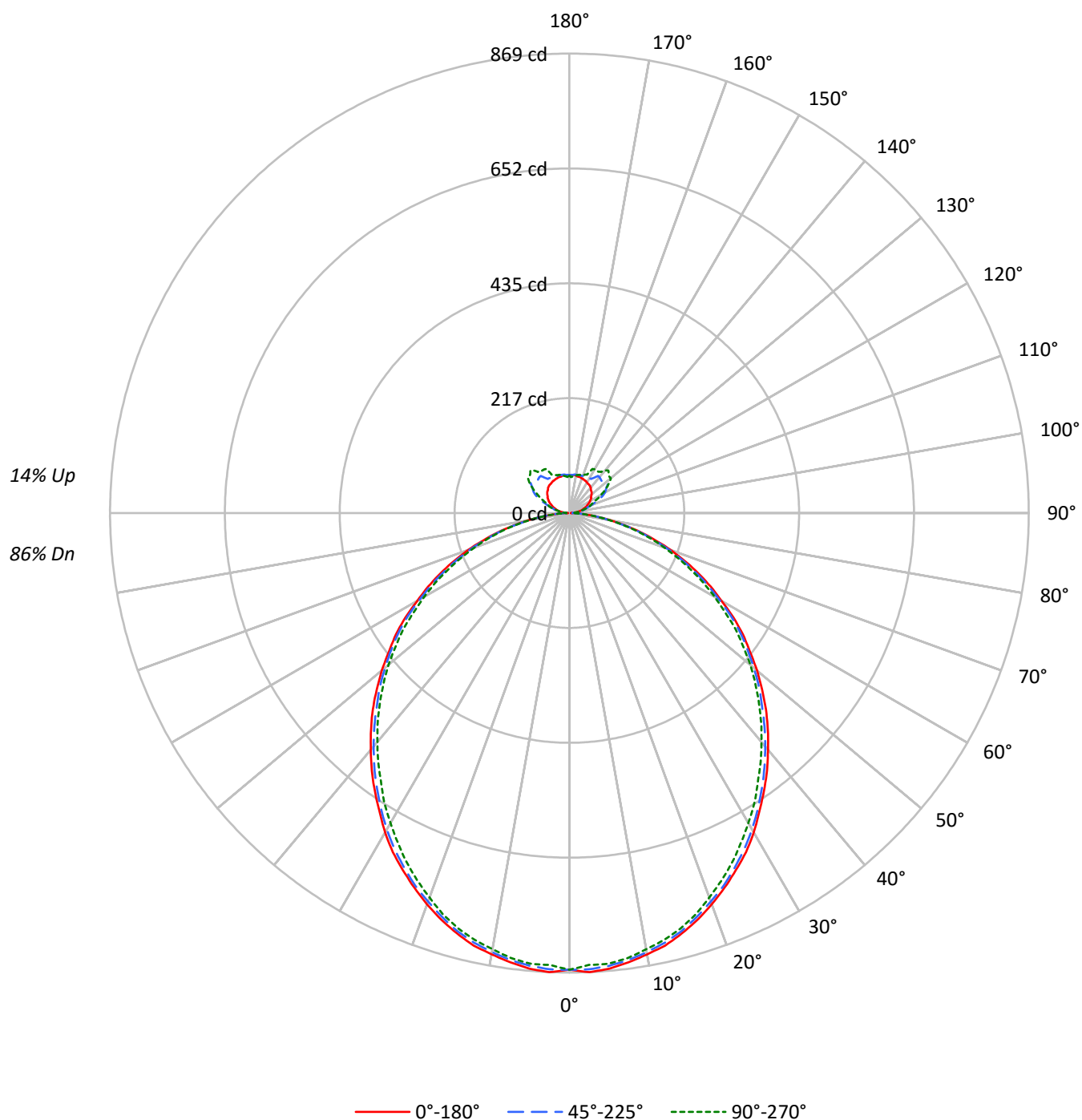
Input Watts (W): 26.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	116	116	116	116	112	112	112	112	104	104	104		96	96	96		90
1	106	101	97	94	102	98	94	91	91	88	85		85	83	80		79
2	97	89	82	77	93	86	80	75	80	75	71		75	71	67		70
3	88	78	70	64	85	75	68	62	71	65	60		66	61	57		62
4	81	69	61	54	77	67	59	53	63	56	51		59	53	49		55
5	74	62	53	47	71	60	52	46	56	49	44		53	47	42		50
6	69	56	47	41	66	54	46	40	51	44	39		48	42	37		45
7	64	51	42	36	61	49	41	36	46	39	34		44	38	33		41
8	59	46	38	32	57	45	37	32	42	36	31		40	34	30		38
9	55	42	34	29	53	41	34	29	39	32	28		37	31	27		35
10	52	39	31	26	50	38	31	26	36	30	25		34	29	24		33

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6972	6972	6972
5°	7010	6965	6933
10°	6946	6912	6867
15°	6877	6842	6797
20°	6764	6717	6647
25°	6637	6589	6492
30°	6501	6438	6311
35°	6323	6256	6122
40°	6159	6072	5957
45°	6003	5879	5785
50°	5816	5714	5611
55°	5637	5560	5406
60°	5367	5278	5125
65°	5127	4995	4841
70°	4792	4662	4501
75°	4332	4248	4120
80°	3673	3608	3547
85°	2779	2899	2779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	3.2
10°-20°	229.8	8.9
20°-30°	339.0	13.1
30°-40°	395.1	15.3
40°-50°	397.3	15.4
50°-60°	349.8	13.5
60°-70°	258.2	10.0
70°-80°	143.1	5.5
80°-90°	37.2	1.4
90°-100°	13.2	0.5
100°-110°	34.1	1.3
110°-120°	55.4	2.1
120°-130°	69.2	2.7
130°-140°	65.0	2.5
140°-150°	51.3	2.0
150°-160°	35.3	1.4
160°-170°	20.8	0.8
170°-180°	6.9	0.3
0°-30°	650.2	25.2
0°-40°	1045.3	40.5
0°-60°	1792.5	69.4
0°-90°	2231.0	86.4
90°-120°	102.8	4.0
90°-150°	288.4	11.2
90°-180°	351.0	13.6
0°-180°	2582.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	865	856	860	857	856	82
15°	823	815	819	815	813	232
25°	745	738	740	730	729	343
35°	642	636	635	624	621	402
45°	526	520	515	508	507	405
55°	400	396	395	387	384	357
65°	268	266	262	256	253	265
75°	139	138	136	132	132	147
85°	30	31	31	30	30	35
90°	3	5	5	5	5	3
95°	10	11	12	12	12	10
105°	26	35	31	34	31	27
115°	38	61	63	54	53	38
125°	50	70	86	88	87	45
135°	59	65	86	106	105	45
145°	65	68	82	94	95	41
155°	68	71	75	80	80	32
165°	71	71	75	76	75	20
175°	72	72	72	72	70	7
180°	71	71	71	71	71	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.6	863.6	863.6	863.6	863.6
2.5°	869.1	859.5	863.6	860.9	855.5
5°	865.0	855.5	859.5	856.8	855.5
7.5°	856.8	848.6	852.7	850.0	848.6
10°	847.3	839.1	843.2	839.1	837.7
12.5°	837.7	828.2	832.3	826.8	826.8
15°	822.8	814.6	818.7	814.6	813.2
17.5°	806.4	798.2	801.0	796.9	795.5
20°	787.3	779.2	781.9	776.4	773.7
22.5°	766.9	760.1	762.8	753.3	751.9
25°	745.1	738.3	739.7	730.1	728.8
27.5°	723.3	713.8	716.5	705.6	702.9
30°	697.4	689.3	690.6	679.7	677.0
32.5°	668.8	663.4	663.4	652.5	651.1
35°	641.6	636.1	634.8	623.9	621.2
37.5°	614.3	607.5	606.2	593.9	593.9
40°	584.4	578.9	576.2	566.7	565.3
42.5°	555.8	549.0	546.2	536.7	536.7
45°	525.8	520.4	514.9	508.1	506.7
47.5°	494.5	489.0	486.3	478.1	476.8
50°	463.1	459.1	455.0	448.2	446.8
52.5°	430.5	427.7	425.0	418.2	414.1
55°	400.5	396.4	395.0	386.9	384.1
57.5°	367.8	363.7	362.3	352.8	348.7
60°	332.4	328.3	326.9	318.8	317.4
62.5°	301.0	297.0	294.2	288.8	286.1
65°	268.4	265.6	261.5	256.1	253.4
67.5°	235.7	232.9	228.8	224.8	222.0
70°	203.0	200.2	197.5	192.1	190.7
72.5°	170.3	167.5	164.8	162.1	162.1
75°	138.9	137.6	136.2	132.1	132.1
77.5°	107.6	106.3	104.9	103.5	103.5
80°	79.0	79.0	77.6	76.3	76.3
82.5°	53.1	53.1	53.1	51.8	51.8
85°	30.0	31.3	31.3	30.0	30.0
87.5°	12.3	12.3	12.3	12.3	12.3
90°	2.7	5.4	5.4	5.4	5.4
92.5°	5.4	6.8	8.2	9.5	8.2
95°	9.5	10.9	12.3	12.3	12.3
97.5°	15.0	16.3	16.3	16.3	16.3
100°	19.1	21.8	20.4	21.8	20.4
102.5°	23.2	28.6	28.6	25.9	25.9
105°	25.9	35.4	31.3	34.1	31.3
107.5°	28.6	43.6	36.8	38.1	39.5
110°	32.7	49.0	45.0	40.9	42.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.4	59.9	53.1	47.7	46.3
115°	38.1	61.3	62.7	54.5	53.1
117.5°	42.2	61.3	70.8	64.0	61.3
120°	45.0	65.4	77.6	72.2	69.5
122.5°	47.7	68.1	81.7	81.7	79.0
125°	50.4	69.5	85.8	88.5	87.2
127.5°	51.8	65.4	92.6	96.7	95.4
130°	54.5	62.7	91.3	98.1	102.2
132.5°	57.2	64.0	88.5	99.4	102.2
135°	58.6	65.4	85.8	106.3	104.9
137.5°	59.9	66.7	87.2	102.2	109.0
140°	62.7	66.7	88.5	96.7	104.9
142.5°	64.0	68.1	88.5	92.6	98.1
145°	65.4	68.1	81.7	94.0	95.4
147.5°	65.4	69.5	76.3	95.4	95.4
150°	66.7	69.5	76.3	95.4	95.4
152.5°	68.1	70.8	74.9	83.1	94.0
155°	68.1	70.8	74.9	80.4	80.4
157.5°	69.5	70.8	74.9	79.0	79.0
160°	69.5	70.8	74.9	77.6	76.3
162.5°	70.8	70.8	73.6	76.3	74.9
165°	70.8	70.8	74.9	76.3	74.9
167.5°	70.8	72.2	73.6	74.9	73.6
170°	72.2	72.2	73.6	73.6	72.2
172.5°	72.2	72.2	73.6	72.2	70.8
175°	72.2	72.2	72.2	72.2	69.5
177.5°	72.2	70.8	72.2	70.8	68.1
180°	70.8	70.8	70.8	70.8	70.8

(END OF REPORT)